AUTHOR INDEX VOLUME 38

Aalto, J. 107, 623
Abe, M. 127
Abe, T. 137
Agarwal, S.P. 735
Agrawala, P.L. 969
Akinlosotu, B.A. 63
Amann, R.P. 601, 999
Anderson, G.B. 178, 316, 1077
Andersson, M. 623
Armstrong, D.T. 667
Avery, B. 615

Bae, I.H. 278
Bak, A. 959
Ball, B.A. 1055
Ball, P.J.H. 256
Barkema, H.W. 589
Barnouin, J. 407
Barth, A.D. 45
Bazer, F.W. 867
Beck, N.G.F. 513
Beckers, J.F. 471
Behboodi, E. 1077
Bergfeldt, D.R. 33, 807
Berndtson, W.E. 224
Bielanski, A. 633
Blanchard, T.L. 1091
Bo, G.A. 45
Boehnke 1091
BonDurant, R.H. 1077
Bor, A. 645
Brand, A. 589
Braw-Tal, R. 645
Bredbacka, P. 107
Brinsko, S.P. 1091
Buhr, M.M. 1023
Buoen, L.C. 799
Burns, P.J. 1091

Calder, M. 1163
Callesen, H. 959
Cansec, R.S. 501
Carney, E.W. 298
Carney, N.J. 823
Cartee, R.E. 877
Castro, J.M. 165
Chassagne, M. 407
Christianson, B. 799
Chupin, D. 471
Clark, D.H. 935
Claus, R. 687
Clegg, E.D. 224
Constable, P.D. 951
Cooney, J.C. 877
Corah, L.R. 441
Coskun, S. 153
Coulter, G.H. 198
Coy, P. 843
Cross, D.L. 375

Daels, P.F. 1055
Davies, M.C.G. 513
Davis, M.A. 867
de Kruif, A. 905
Del Pozo, M. 165
Del Vecchio, R.P. 419
Deluyker, H. 905
Deshpande, L.V. 535
Dhami, A.J. 565
Dimmick, M.A. 687
Dippert, K.D. 695
Distl, O. 385
Dolgohatskiy, A.I. 461
Donald, A.W. 557
Drohan, W.N. 501
Dubuc, C. 633
Dufour, J.J. 1131

Eaglesome, M.D. 633
Eilts, B.E. 431
Ellington, J.E. 298
Entwhistle, K.W. 97
Ernst, L.K. 461
Everett, K.A. 1091
Ezaz, Z. 979

Fanning, M.D. 375
Farstad, W. 853
Fernandez, M. 45
Fiser, P. 1065
Foote, R.H. 1
Fougner, J.A. 853
Francos, G. 385
Fulka, J. 721
Fulka, J. 749

Gallant, R.K. 679
Gaughn, E.M. 951
Geldermann, H. 969
Gil, J. 165
Gimenez, T. 687
Ginther, O.J.33, 807
Goll, I. 749
Gonzalez Stangaro, C. 449

Gootwine, E. 645
Graham, J.K. 210
Gray, B.W. 877
Greve, T. 615, 959
Guard, C.L. 589
Guemene, D. 1115
Guilbault, L.A. 1131
Guraya, G. 63
Gustavsson, I. 623
Gwazdauska, F.C. 501

Hackett, A.J. 833
Hahn, J. 270
Hallford, D.M. 1145
Hamano, S. 1085
Hansel, W. 757
Hansen, C.T. 21
Harayama, H. 491
Hare, W.C.D. 633
Hawk, H.W. 989
Heuweiser, W. 1
Hofferer, S. 695
Holland, M.D. 769
Holtz, W. 479, 487
Hom, P. 667
Hudson, L.W. 687
Hughes, J.P. 823
Huhtinen, M. 170
Hunt, W.L. 360
Hussein, F.M. 431

Ikeda, I. 127
Imaz, M.A. 165
Iritani, I. 1043
Irvine, B. 667
Ishibashi, I. 127
Ishimori, I. 1175

Jasko, D.J. 601, 695, 999
Jiang, S. 1
Johnson, J.L. 501
Johnson, W.H. 1023, 1033

Kanagawa, H. 921, 1175
Kanbayashi, H. 137
Kanda, S. 491
Kane, M.T. 298
Kaneene, J.B. 581
Kato, S. 491
Katz, L.S. 240
Kawata, K. 137
Kayser, J.P. 601
Kemp, B. 653
Kesyan, A.Z. 461
Khanna, N.D. 735
Kim, C.I. 278
Kiser, T.E. 73
Kitiyanant, Y. 545
Knight, J.W. 501
Koikeda, A. 1085
Kondo, S. 711
Kornegay, E.T. 501
KrauBlich, H. 385
Kunzler, R.A. 935
Kuwayama, M. 1085

Lagutina, I.S. 461
Lang, K.D.M. 897
Larson, L.L. 256
Lasley, B.L. 823
Leshin, L.S. 73
Lin, Y.C. 153
Liptrap, R.M. 1033

Mackinnon, C.E. 557
Madan, M.L. 1187
Maffii, M. 147
Mahmoudzadeh, A.R. 905
Mani, A.U. 1013
Mapletoft, R.J. 45
Marcinkowski, D.P. 935
Marsh, W. 799
Martin Rillo, S. 165
Martinez, E. 115, 843
Mayer, E. 385
McAllister, A.J. 833
McCue, P.M. 823
McDonald, T.J. 240
McDonnell, A.M. 945
McKelvey, W.A.C. 1013
McLean, D. 667
McNiven, M.A. 679
Mehta, V.M. 535
Miller, P.G. 1055
Mirando, M.A. 867
Mohan, G. 565
Moran, D.M. 999
Mori, T. 1043
Moriyoshi, M. 137
Morrison, R. 799
Moser, M.T. 867
Mukasa-Mugerwa, E. 97,727,979
Mutiga, E.R. 727
Myers, D.J. 633

Nagai, T. 1085
Nakao, T. 137
Nakayama, T. 1043

Narimoto, K. 1043
Nel, N.D. 989
Neuendorff, D.A. 419
Nguyen, B.X. 471
Nigam, R. 535
Noda, Y. 1043
Noordhizen, J.P.T.M. 653

Ochiai, H. 137
Odde, K.G. 769
Otoi, T. 711
Ott, T.L. 867

Paccamonti, D.L. 431
Page, R.L. 501
Palmer, E. 695
Parkinson, T.J. 11
Parks, J.E. 210
Parrish, J.J. 278
Patel, A.V. 535
Patel, D.M. 535
Patterson, D.J. 441
Pavasuthipaisit, K. 545
Pearson, R.E. 501
Perez Llano, B. 527
Peterson, B.A. 667
Pickett, B.W. 601
Pintado Sanjuanbenito, B. 527
Plante, Y. 897
Prokofiev, M.I. 461
Proulx, J. 1131
Purwantara, B. 615

Rai, A.K. 735
Rainio, V. 107
Rajamahendran, R. 85, 1163
Ramirez Iglesia, L. 449
Randel, R.D. 419
Renard, J.P. 471
Richardon, G.F. 557
Richardson, G.F. 679
Rincon Urdaneta, E. 449
Rivier, J. 823
Roca, J. 115, 843
Ruiz, A. 115
Ruiz, S. 843
Rumph, P.F. 877
Rund, L.A. 73
Ruth, G.R. 799

Sahni, K.L. 565
Sanbuissho, A. 153
Sanchez-Valverde, M.A. 115
Schiewe, M.C. 21
Schlieper, B. 479
Schmidt, P.M. 21
Schmidt-Baulain, R. 487
Schmutz, S.M. 897
Schukken, Y.H. 589
Seamark, R.F. 667
Seidel, Jr., G.E. 338
Shah, R.G. 535
Shideler, R.K. 601
Sianangama, P.C. 85
Simarro, M.A. 165
Singla, S.K. 1187
Sirard, M.A. 1065
Skolnik, S.B. 575
Slavik, T. 721, 749
Sloan, C.S. 360
Smith, S.D. 615
Soede, N.M. 653
Soto Belloso, E. 449
Soto Castillo, G. 449
Sparks, A.E.T. 501
Spitzer, J.C. 375
Sprecher, D.J. 581
Squires, E.L. 601, 695, 999
Sriurairatna, S. 545
St. Jean, G. 951
Stahringer, R.C. 419
Steele, M.G. 1107
Stevens, G. 667
Stock, A.E. 757
Stubbings, R.B. 667
Sujata, J. 1187
Suraeva, N.M. 461
Suzuki, T. 711, 1187

Tachikawa, S. 711
Takagi, H. 137
Takahashi, Y. 1175
Takeuchi, Y. 137
Taniguchi, T. 921
Taylor, S.A. 1145
Tegegne, A. 97
Thompson, F.N. 73, 375
Thompson, J.A. 1023, 1033
Thonabulsombat, C. 545
Tischner, M. 147
Tocharus, C. 545
Tomita, M. 137
Torres, D.G. 853
Tuli, R.K. 487
Twagiramungu, T. 1131
Ty, L.V. 471

Udavlennikova, N.N. 461
Umaoka, Y. 1043
Uoc, N.T. 471

Vale, W. 823
van der Weyden, G.C. 589
Van Soom, A. 905
Van Vlaenderen, I. 905
Varner, D.D. 1091
Vazquez, J.M. 115, 843
Velander, W.H. 501

Wagner, V.A. 969
Wall, R.J. 338, 989
Watanabe, T. 127
Waterman, R.A. 989
Watson, E.D. 575, 945, 1013
Weber, A.F. 799
White, K.L. 545
Whitfield, C.H. 11
Wierzchos, E. 147
Wilkins, T.D. 501
Williams, B.L. 501
Williams, J.B. 1115
Winder, J.A. 1145
Wishart, G.J. 1107

Yang, X. 1, 316
Younis, M.Y.M. 431

Zanecosky, H.G. 575
Zheng, T.Q. 799
Zheng, Y.S. 1065

SUBJECT INDEX VOLUME 38

1,2-propanediol 711

acrosome 11,115,547,558
age 979
AGP treatment 127
air temperature 115
antibody 21
artificial imsemination 853
aspiration 581
assisted fertility 360

beef cattle 1131
beef heifer 375,441
BHV-1 633
biostimulation 1145
birth weight 127,769
bisection 921
blastocyst 21
boar 165,487,799,843
Bos bubalis 565
bovine 1,45,85,137,240,256,
385,407,431,449,461,
565,581,615,623,711,
721,769,905,951,959,
969,1077,1085,1145,
1163
embryo culture 757
oocyte 153
broodiness expression 1115
bull 11,487,557.1023,1033
buserelin 137
BVDV 633

calf mortality 589
oocyte 667
camel 735
cAMP 153
capacitation 843
caprine 63
cdc2 278
cell-cycle 278
cesarean section 589
chicken 1107
chromosome 799
chromosome translocation 623
cleavage 989
rate 905
co-culture 298,615
compaction 905
computerized semen analysis 999
confined dairy cows 833
contraception 360
cooled semen 999
canine 877
cooling 601
cooling rates 565
corpus luteum 63,431
cryopreservation 210,711
cryptorchid 951
culling 589
cumulus cells 989
cyclicity 1131
cytoplasmic effect 897

daylength 115
demi-embryo 107
developmental
block in vitro 1043
capacity 711
diet 407
dimethyl sulfoxide 1175
disinfection 633
dystocia 769

early fetal period 581
egg productio 1115
ehtylene glycol 1175
electrofusion 921
embryo 278,316,633,667,969,
1043,1055,1077
biopsy 615
cloning 897
culture 298,989
development 545
diversity 653
loss 33
quality 623
recovery 1055,1163
transfer 107,270,461,
479,749
viability 749
yield 959
endometritis 945
endophyte fescue fungus 375
energy 407
substrates 298
environmental toxins 224
epidemiological study 385
equine 1055
equine platelet aggregation 757
estradiol 471,645,1091
estrogen 419,687
estrus 1013

estrus synchronization 256, 441,479,501,727, 1091,1131
detection 935
evolution 360
ewe lamb 513,645
expanded blastocysts 989
extenders 557

fecundity 147
fertility 11,385,513,589, 833,1033
fertilization 278,461,545, 749
fetal fluids 581
fixative 527,557
fluorometry 679
follicle count 653
cyst 137
waves 807
fox 853
freezing 615
frozen boar semen 1065
frozen-thawed semen 853
FSH 807
FSH:LH ratio 147

genetic engineering 338
genotyping 969
glutaraldehyde 527
glycerol 1065
GnRH 33,73,1033,1131
analogue 137,695
goat 115,240,487,527,721, 1013
gonadotropin 471,479
growth 375
factors 298
hormone 1145

hamster 1043
heifer 419
development 1145
histology 877,1023
hormones 513
human chorionic gonadotropin 85
hypoprolificacy 799

immunization 823
immunocytochemistry 575
immunosurgery
in vitro 198,316,461,545, 1085
in vitro fertilization 667, 905,1065,1077,1187
maturation 153,727,1077
inhibin 823
inner cell mass 21
intangible variance 270
interestrous interval 867
interferons 867
interspecies fertilization 721

lactate dehydrogenase 679
laparoscopy 667
LH
lipids 210
litter size 127,799

male reproduction 224
mare 33,575,695,807,823, 945,1091,
mature oocyte 711
Meishan boar 492
melengestrol acetate 441
membranes 210
Menz sheep 727
microinjection 1
micromanipulation 316
milk production 589
progesterone 137,431
morphine 73
morphology 1023
morula 905
motility 487,679,1023
mouse blastocysts 1175
oocyte 921
mtDNA 897

naloxone 73
near infrared spectroscopy 935
neonates 735
non-return rate 623
nutrition 97,385,979,1013

oocyte 1,278,461,721,921,1085, a 1187
maturation 545
optimal timing 853
ovarian activity 449
ovariectomy 73
ovary 645
oviduct 1055
ovine trophoblast prot-1 867
ovulation 653,823,1013

PAF-antagonist 757
parturition 45
PCR 969
PGFM 419
photosensitive agent 633
pig 479,501,653
pituitary extract 695
platelet activating factor 757
PMSG antiserum 959
postpartum 97,449,735
pregnancy 33,85,615,807,1013
progesterone 63,85,419,431, 867,945,1055,1091
progestogen 256,441,479,513
prolactin 1115,1145
pronuclear-stage embryo 921
prostaglandin 1091
prostaglandin E2 63
prostaglandin F2alpha 63,407, 441,687,1131
prostaglandins 256
prostate 877
pseudorabies 165
puberty 419,1145

quarter embryo 107

radioimmunoassay 535
ram lambs 979
reciprocal translocation 799
reconstituted embryos 921
reproduction 97,375
reproductive activity 491
retained placenta 45,407
RFLP 897

scrotal circumference 1023
season 491
semen 11,165,198,527
analysis 623
characteristics 491
evaluation 557
sexing 969
sexual behavior 240
differentation 240
sheep 147,240,721,749867,
spermatozoa 1,198,210,487, 843
morphology 115
motility 565
motion 601
selection 1107
viability 679
splitting 107
stage of cycle 1163
stallion 687,999
spermatozoa 601
steroid hormones 735
receptors 575
storage 601,999
suckling 73,97
superovulation 127,147,270, 471,501,667,695,833, 959,1163
supplementation 513
surgery 951
Swamp buffalo 471,545

testes size 979
testis 951
testosterone 535
testosterone
thawing temperatures 565
thyroid hormones 735
transgenic 338,501
triple stain technique 843
trophectoderm 21
tropics 979
turkey 1107
turkey hens 1115

ultrasonography 581,645,877,
uterus 575

vaccine 165
vestibule 935
visible light 1043
vitrification 1085,1175
vulva 935

water buffalo 1187

Zebu co 97